

01  
where  $p$  is an integer greater than 1,  $s = \frac{1}{2}$ ,  $\hbar$  is Plank's constant bar,  $\mu_0$  is the permeability of vacuum,  $m_e$  is the mass of the electron,  $\mu_e$  is the reduced electron mass,  $a_0$  is the Bohr radius, and  $e$  is the elementary charge; (c) a trihydrino molecular ion,  $H_3^+ (1/p)$ , having a binding energy of about  $22.6/(1/p)^2$  eV; (d) an increased binding energy hydrogen molecule having a binding energy of about  $15.5/(1/p)^2$  eV; and (e) an increased binding energy hydrogen molecular ion with a binding energy of about  $16.4/(1/p)^2$  eV.

130. A compound according to claim 129, wherein  $p$  is 2 to 200.

### REMARKS

Reconsideration and allowance of the subject application are respectfully requested.

Claims 2 - 130 are pending in the application.

New claims 2 - 130 recite the subject matter of claims 43 - 78 of my co-pending U.S. Serial No. 09/111,003, in accordance with the discussions during an interview on November 23, 1999. No claims have been amended to overcome prior art. Claim 1 has only been deleted since the subject matter of claim 1 has already been claimed and allowed in my co-pending U.S. Serial NO. 09/111,003 over the same prior of record in this application.

The provisional double patenting rejections of record are moot in view of the above amendments.

The rejection of claim 1 under 35 U.S.C. § 102 as anticipated by, or in the alternative under 35 U.S.C. § 103 as obvious over Bogdanovic or Chiu is respectfully traversed. However, since the subject matter of claim 1 has been allowed over this same prior art in another application, claim 1 has been canceled. Accordingly, withdrawal of the Section 102 and 103 rejections are respectfully requested.

The rejection of claim 1 under 35 U.S.C. § 112, second paragraph, is respectfully traversed. The Applicant submits that the claimed invention fully complies with Section 112 for the following reasons.

From reading and comprehending the present application, one skilled in the art would readily understand the claimed language, as follows.

"Increased binding energy hydrogen species" include at least one hydrino atom (new lower energy form of hydrogen). Non-limiting examples of "increased binding energy hydrogen species" are disclosed on page 11, lines 4-20.

"The corresponding ordinary hydrogen species" contains ordinary hydrogen in place of the hydrino in the "increased binding energy hydrogen species". In many applications, "the corresponding ordinary hydrogen species" is unstable or non-observable whereas the novel "increased binding energy hydrogen species" is stable or observable.

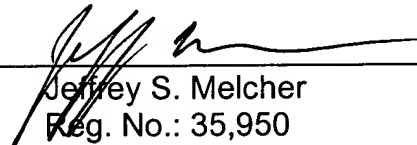
The Applicant submits that the claimed invention fully complies with Section 112 and accordingly withdrawal of the Section 112 rejection is respectfully requested.

In view of all of the objections and rejections of record having been addressed, it is sincerely believed that the subject application is in condition for allowance and Notice to that effect is respectfully requested.

Respectfully submitted,

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